FIG. 1

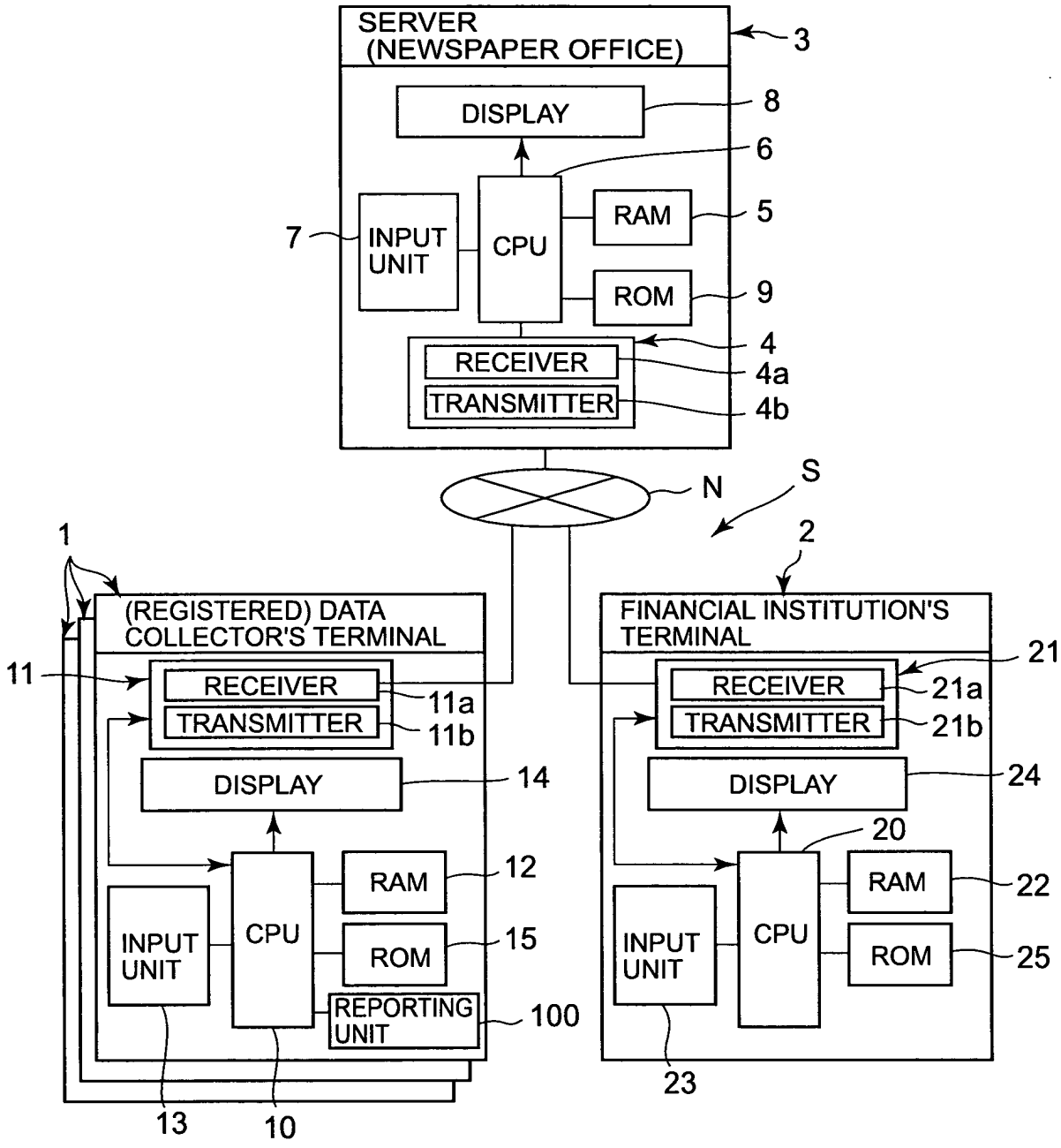
SERVER
(NEWSPAPER OFFICE)
3
DISPLAY
8
6
INPUT UNIT
7
CPU
RAM
5
ROM
9
4
RECEIVER
4a
TRANSMITTER
4b
N
S
1
2
(REGISTERED) DATA COLLECTOR'S TERMINAL
FINANCIAL INSTITUTION'S TERMINAL
11
RECEIVER
11a
TRANSMITTER
11b
21
RECEIVER
21a
TRANSMITTER
21b
DISPLAY
14
DISPLAY
24
20
INPUT UNIT
CPU
RAM
12
ROM
15
REPORTING UNIT
100
RAM
22
ROM
25
13
10
23

FIG. 2

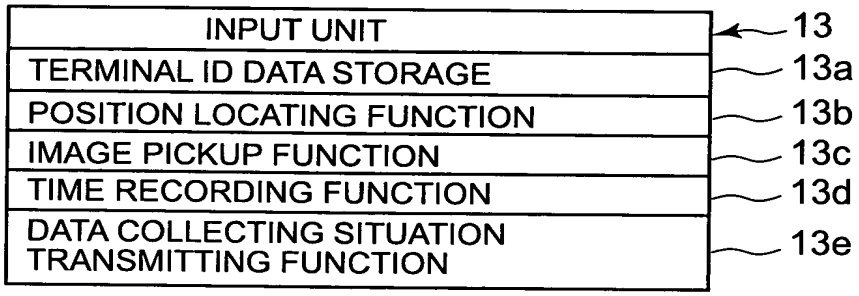

FIG. 3A

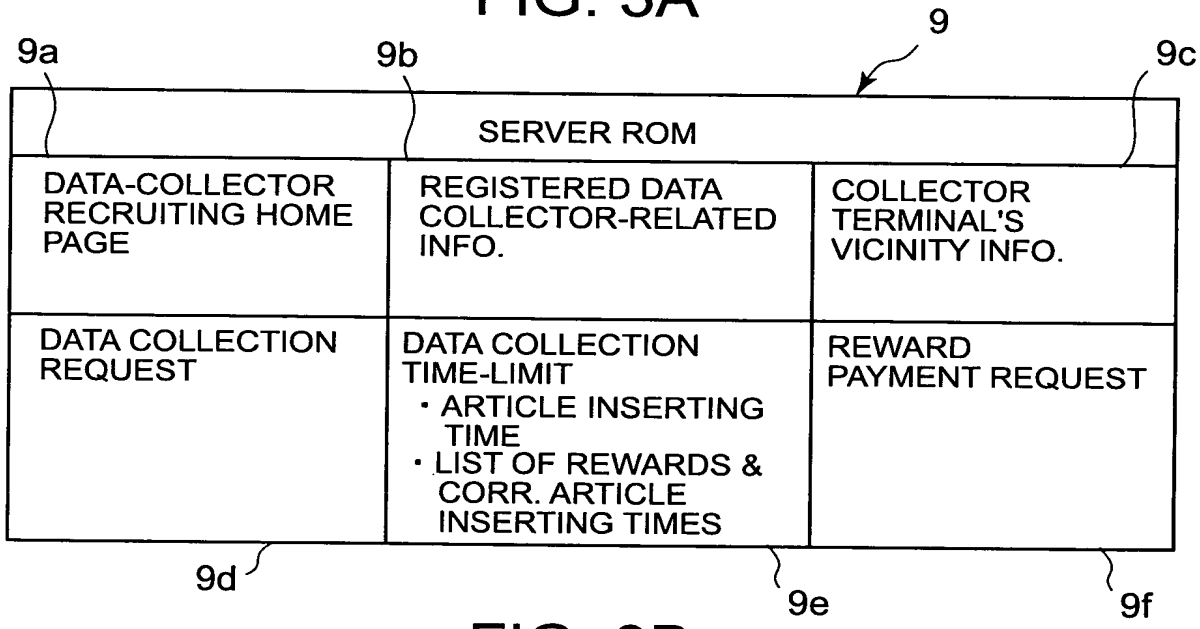

FIG. 3B

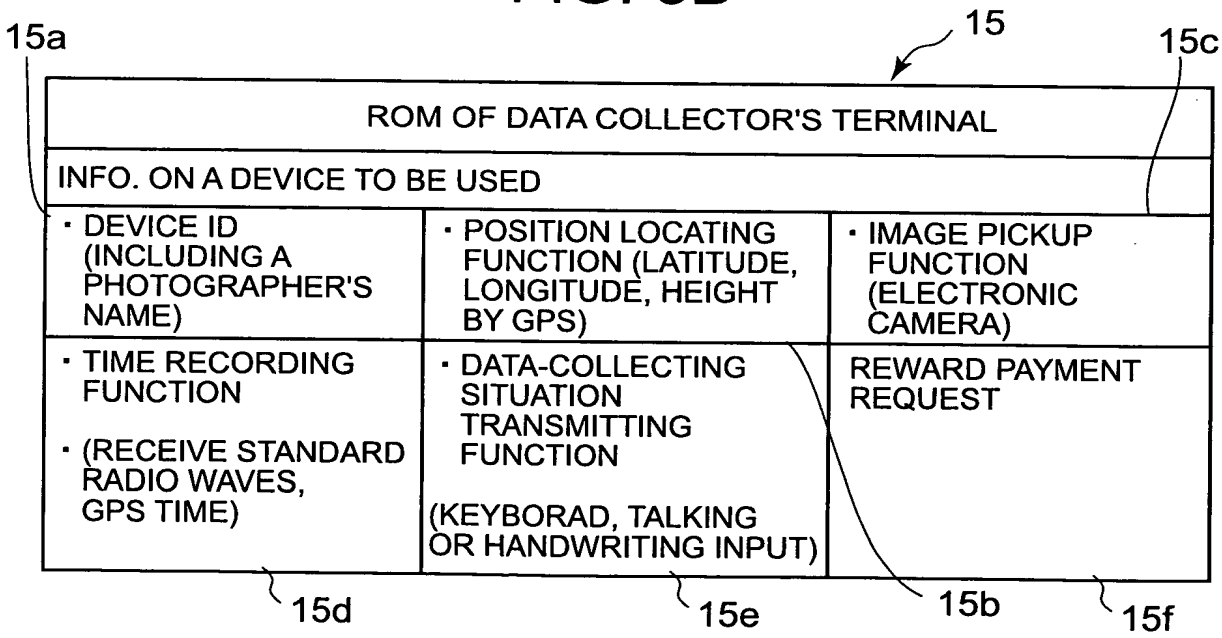

FIG. 4A

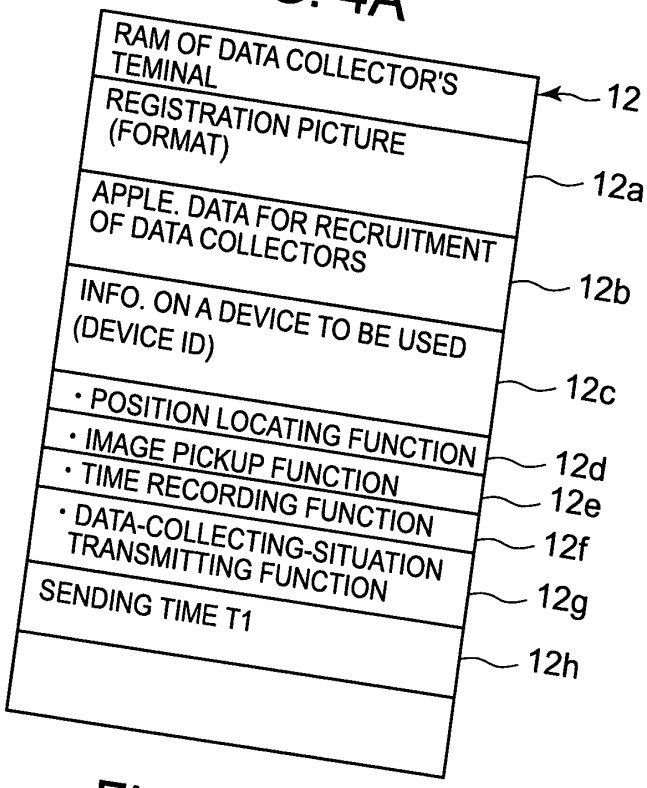
RAM OF DATA COLLECTOR'S TEMINAL
12
REGISTRATION PICTURE (FORMAT)
12a
APPLE. DATA FOR RECRUITMENT OF DATA COLLECTORS
12b
INFO. ON A DEVICE TO BE USED (DEVICE ID)
12c
• POSITION LOCATING FUNCTION
• IMAGE PICKUP FUNCTION
12d
• TIME RECORDING FUNCTION
12e
• DATA-COLLECTING-SITUATION TRANSMITTING FUNCTION
12f
SENDING TIME T1
12g
12h

FIG. 4B

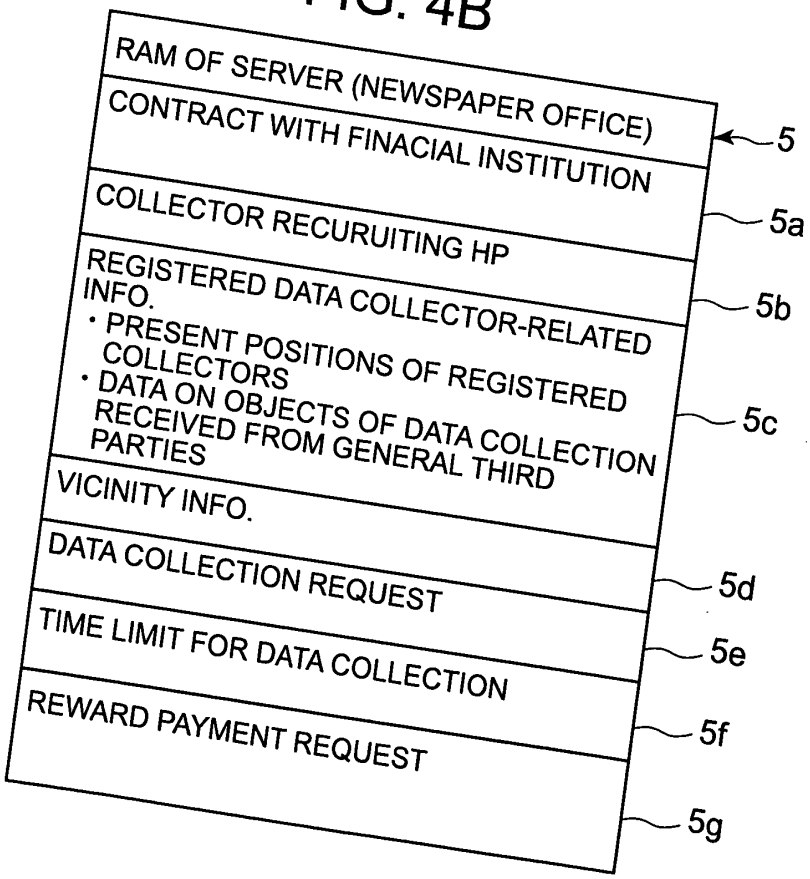
RAM OF SERVER (NEWSPAPER OFFICE)
5
CONTRACT WITH FINACIAL INSTITUTION
COLLECTOR RECURUITING HP
5a
REGISTERED DATA COLLECTOR-RELATED INFO.
• PRESENT POSITIONS OF REGISTERED COLLECTORS
• DATA ON OBJECTS OF DATA COLLECTION RECEIVED FROM GENERAL THIRD PARTIES
5b
5c
VICINITY INFO.
DATA COLLECTION REQUEST
5d
TIME LIMIT FOR DATA COLLECTION
5e
REWARD PAYMENT REQUEST
5f
5g

FIG. 4C

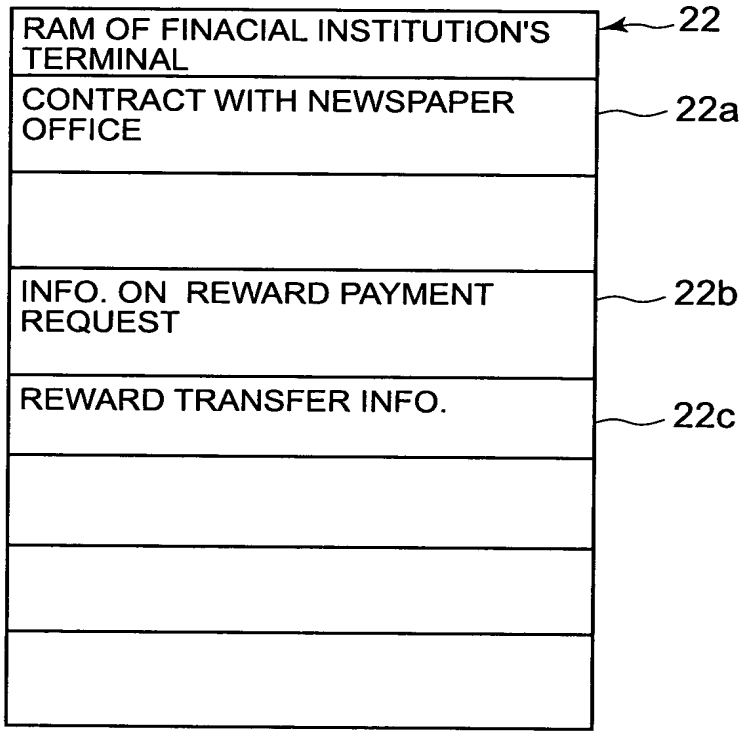
RAM OF FINACIAL INSTITUTION'S TERMINAL
22
CONTRACT WITH NEWSPAPER OFFICE
22a
INFO. ON REWARD PAYMENT REQUEST
22b
REWARD TRANSFER INFO.
22c

FIG. 5

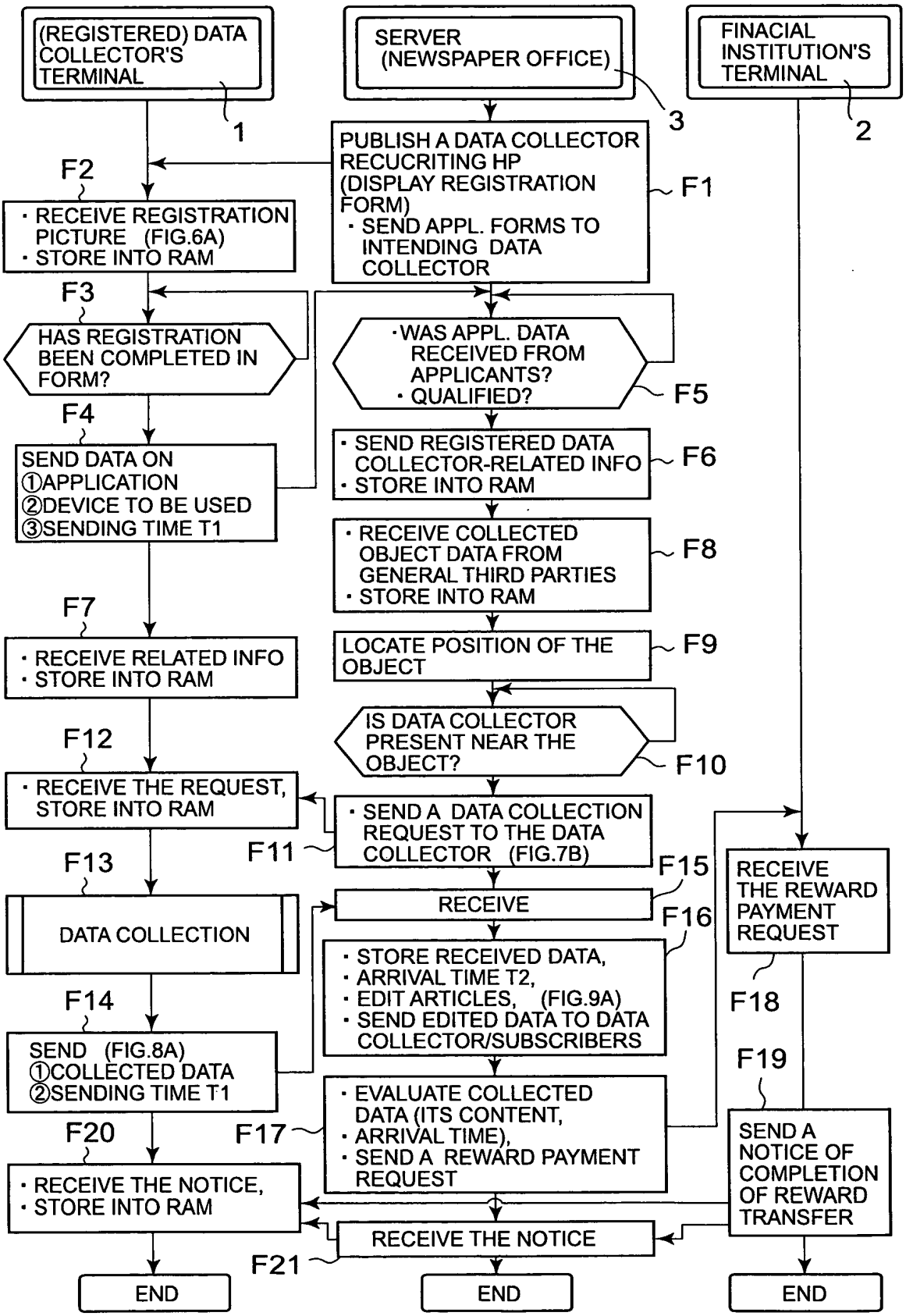
(REGISTERED) DATA COLLECTOR'S TERMINAL
1
SERVER (NEWSPAPER OFFICE)
3
FINACIAL INSTITUTION'S TERMINAL
2
PUBLISH A DATA COLLECTOR RECUCRITING HP (DISPLAY REGISTRATION FORM)
・SEND APPL. FORMS TO INTENDING DATA COLLECTOR
F1
F2
・RECEIVE REGISTRATION PICTURE (FIG.6A)
・STORE INTO RAM
F3
HAS REGISTRATION BEEN COMPLETED IN FORM?
F4
SEND DATA ON
①APPLICATION
②DEVICE TO BE USED
③SENDING TIME T1
・WAS APPL. DATA RECEIVED FROM APPLICANTS?
・QUALIFIED?
F5
・SEND REGISTERED DATA COLLECTOR-RELATED INFO
・STORE INTO RAM
F6
・RECEIVE COLLECTED OBJECT DATA FROM GENERAL THIRD PARTIES
・STORE INTO RAM
F8
LOCATE POSITION OF THE OBJECT
F9
IS DATA COLLECTOR PRESENT NEAR THE OBJECT?
F10
・SEND A DATA COLLECTION REQUEST TO THE DATA COLLECTOR (FIG.7B)
F11
F7
・RECEIVE RELATED INFO
・STORE INTO RAM
F12
・RECEIVE THE REQUEST, STORE INTO RAM
F13
DATA COLLECTION
F14
SEND (FIG.8A)
①COLLECTED DATA
②SENDING TIME T1
F15
RECEIVE
F16
・STORE RECEIVED DATA,
・ARRIVAL TIME T2,
・EDIT ARTICLES, (FIG.9A)
・SEND EDITED DATA TO DATA COLLECTOR/SUBSCRIBERS
F17
・EVALUATE COLLECTED DATA (ITS CONTENT,
・ARRIVAL TIME),
・SEND A REWARD PAYMENT REQUEST
F20
・RECEIVE THE NOTICE,
・STORE INTO RAM
F21
RECEIVE THE NOTICE
END
END
RECEIVE THE REWARD PAYMENT REQUEST
F18
F19
SEND A NOTICE OF COMPLETION OF REWARD TRANSFER
END

FIG. 6A

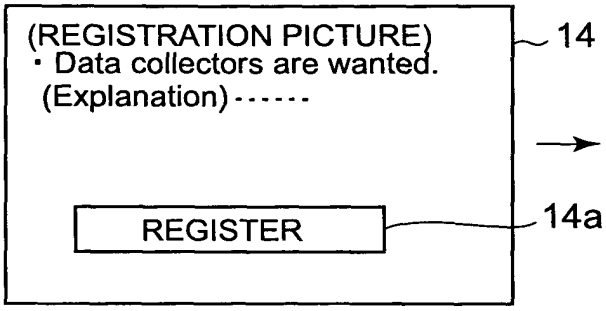

FIG. 6B

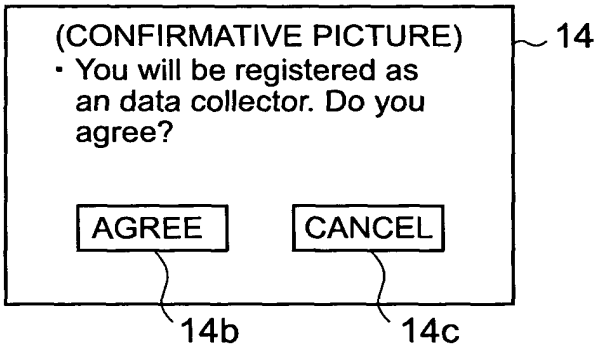

FIG. 7A

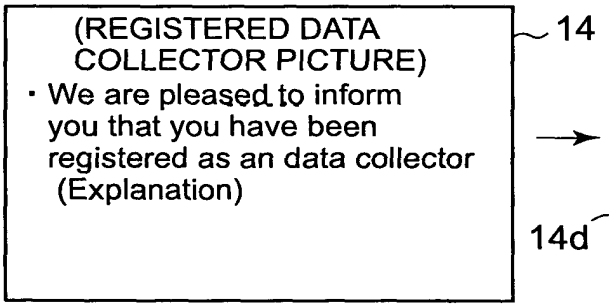

FIG. 7B

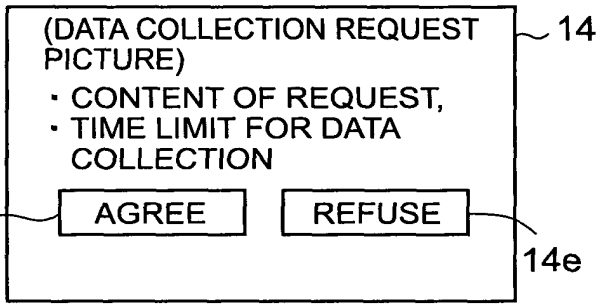

FIG. 8A

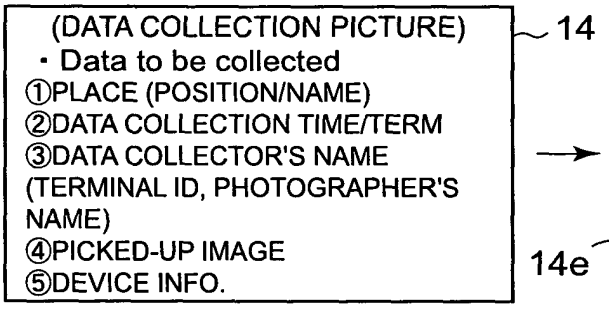

FIG. 8B

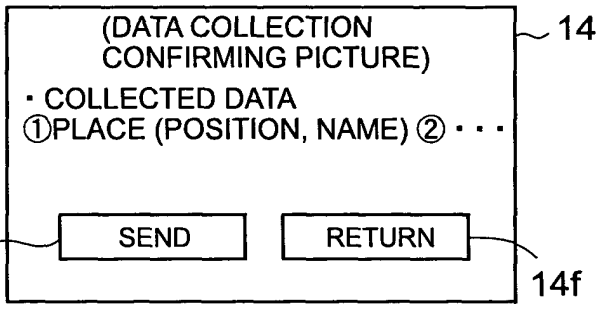

FIG. 9A

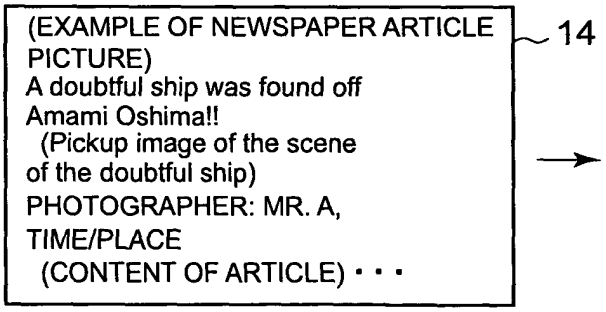

FIG. 9B

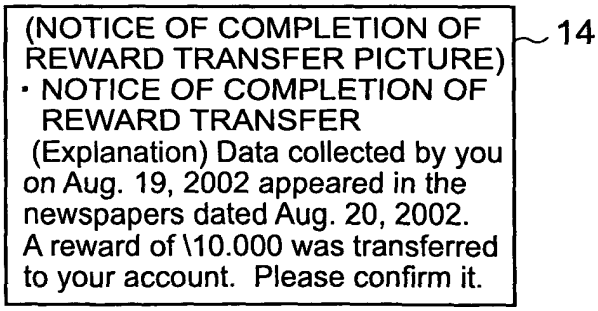

FIG. 10

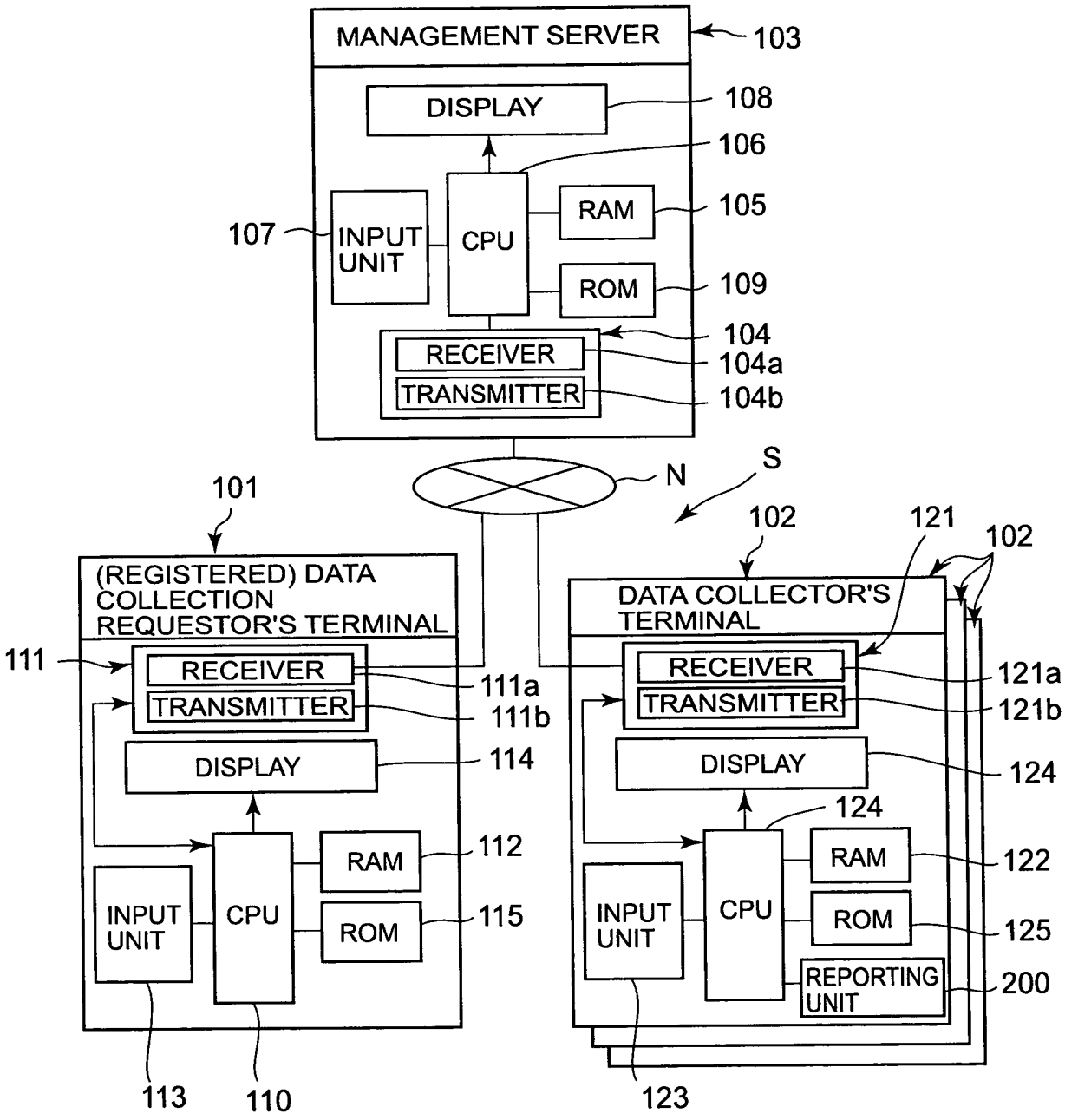
MANAGEMENT SERVER
103
DISPLAY
108
106
107
INPUT UNIT
CPU
RAM
105
ROM
109
104
RECEIVER
104a
TRANSMITTER
104b
N
S
101
102
121
102
(REGISTERED) DATA COLLECTION REQUESTOR'S TERMINAL
DATA COLLECTOR'S TERMINAL
111
RECEIVER
111a
TRANSMITTER
111b
121a
121b
DISPLAY
114
DISPLAY
124
124
RAM
112
RAM
122
INPUT UNIT
CPU
ROM
115
INPUT UNIT
CPU
ROM
125
REPORTING UNIT
200
113
110
123

FIG. 11A

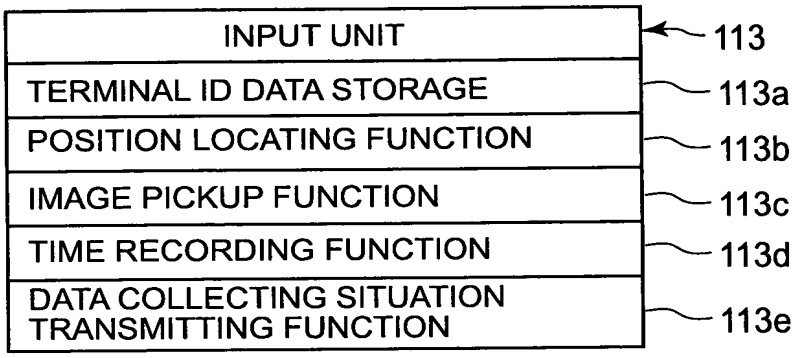

FIG. 11B

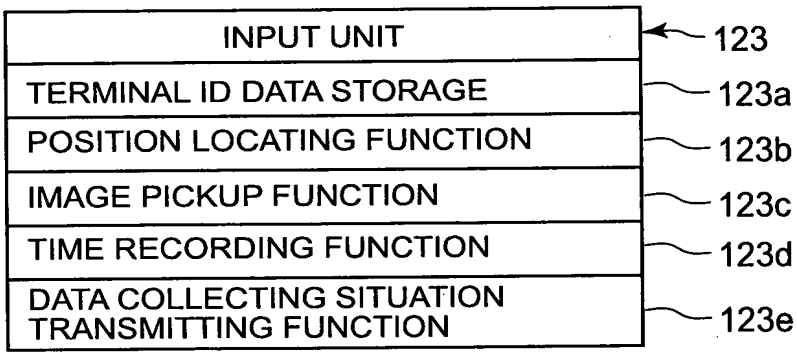

FIG. 12A

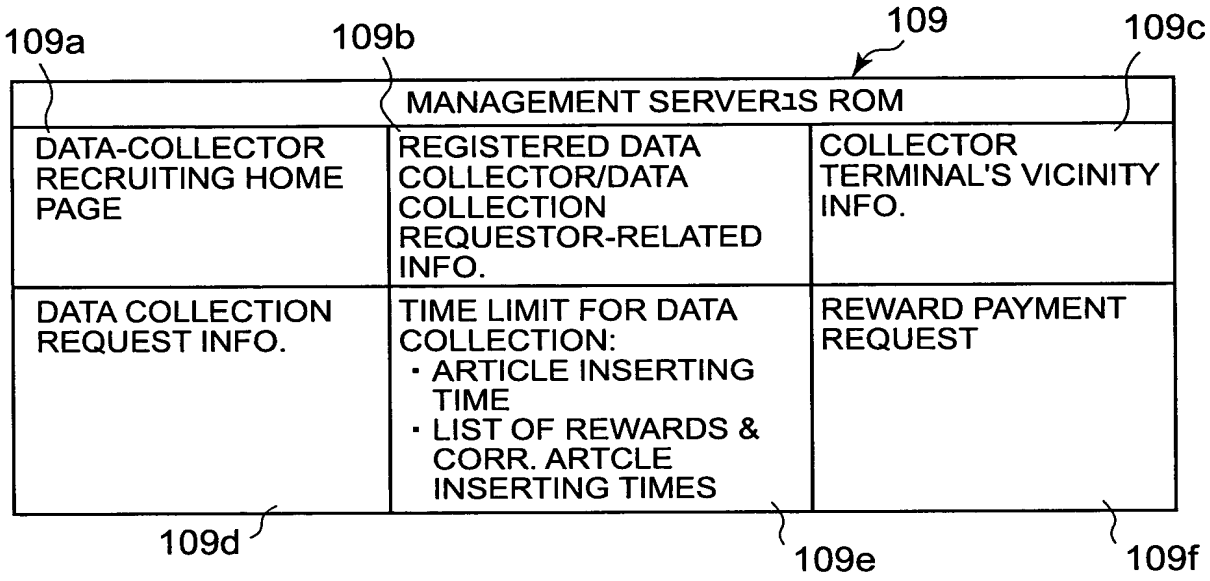

FIG. 12B

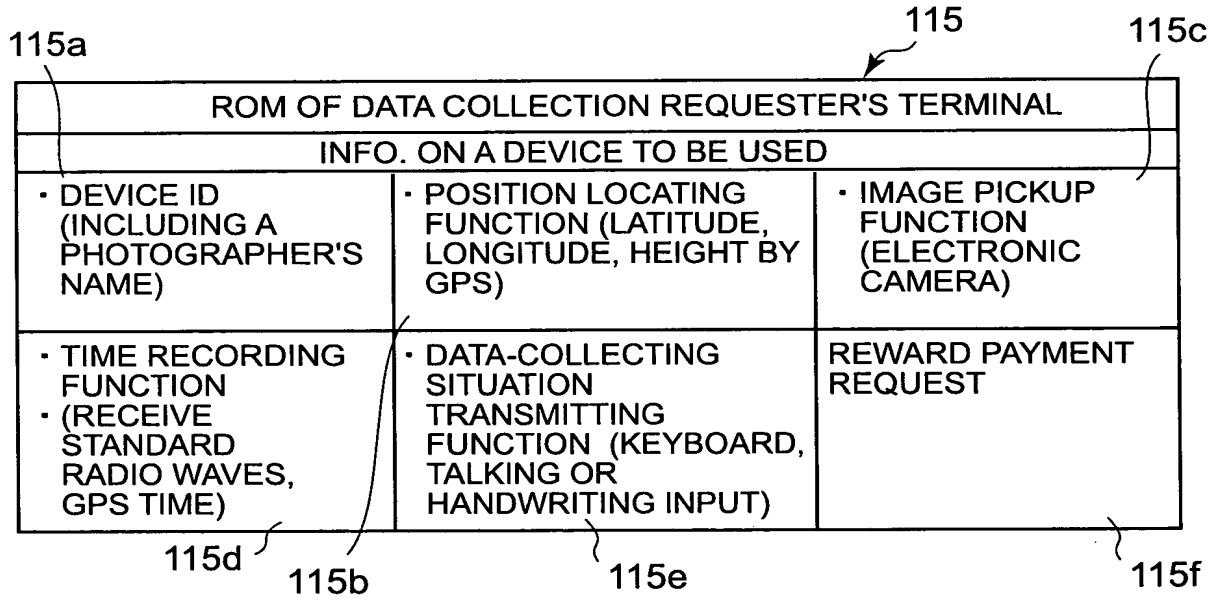

FIG. 12C

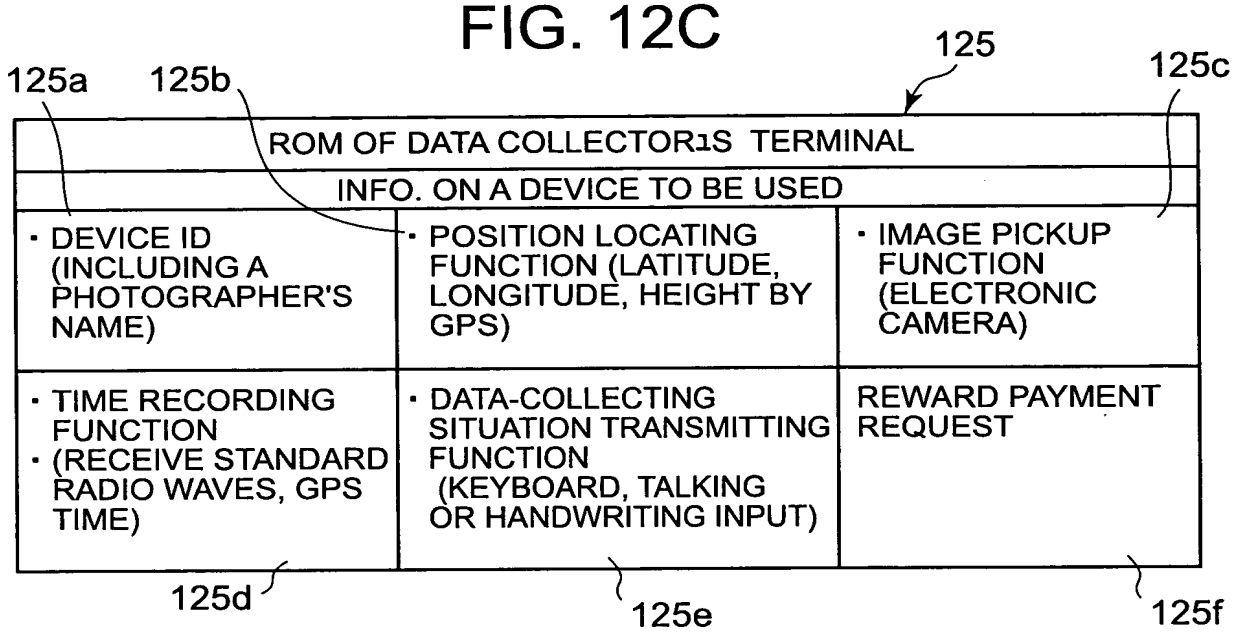

FIG. 13A

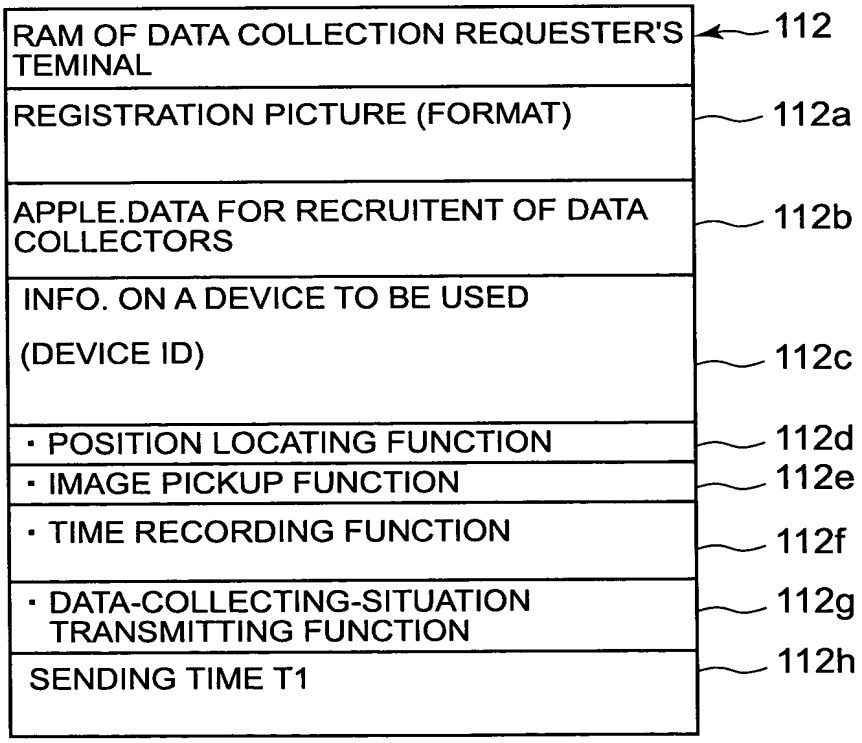

FIG. 13B

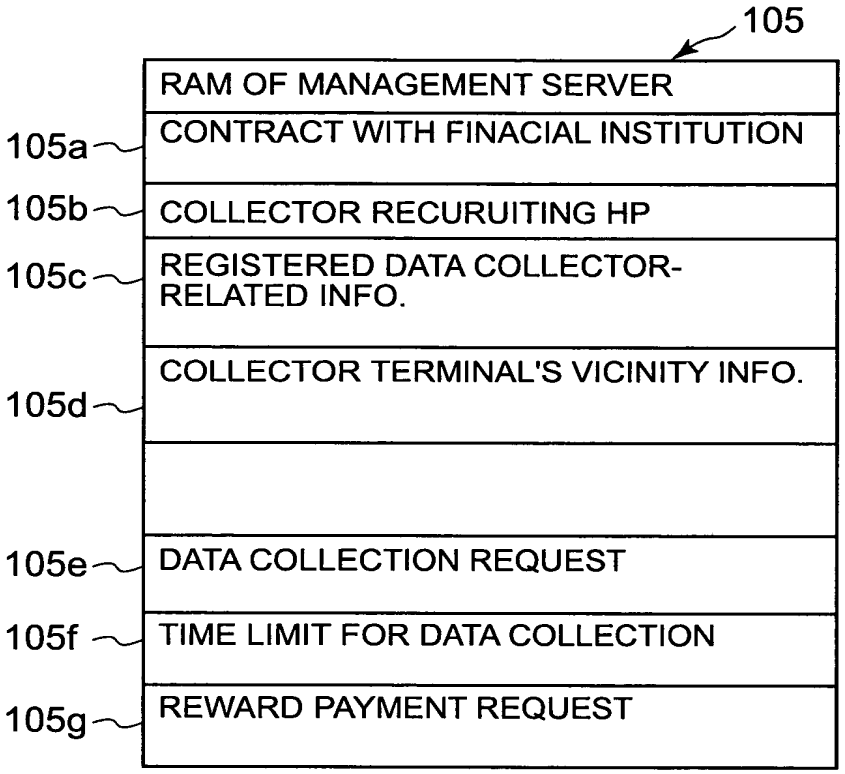

FIG. 13C

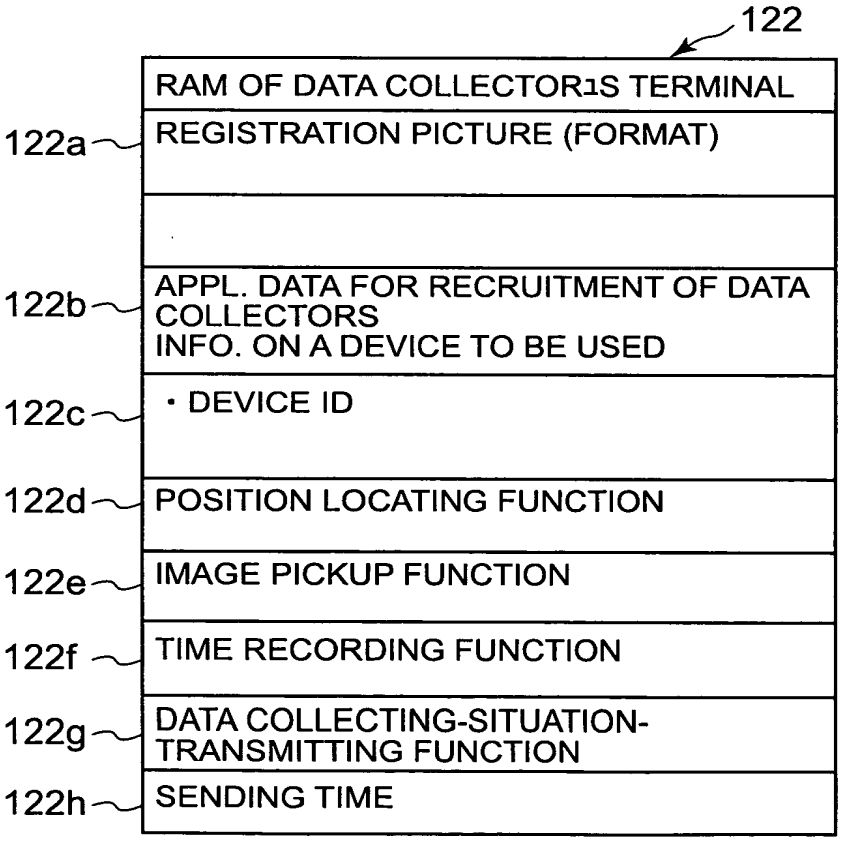

FIG. 14

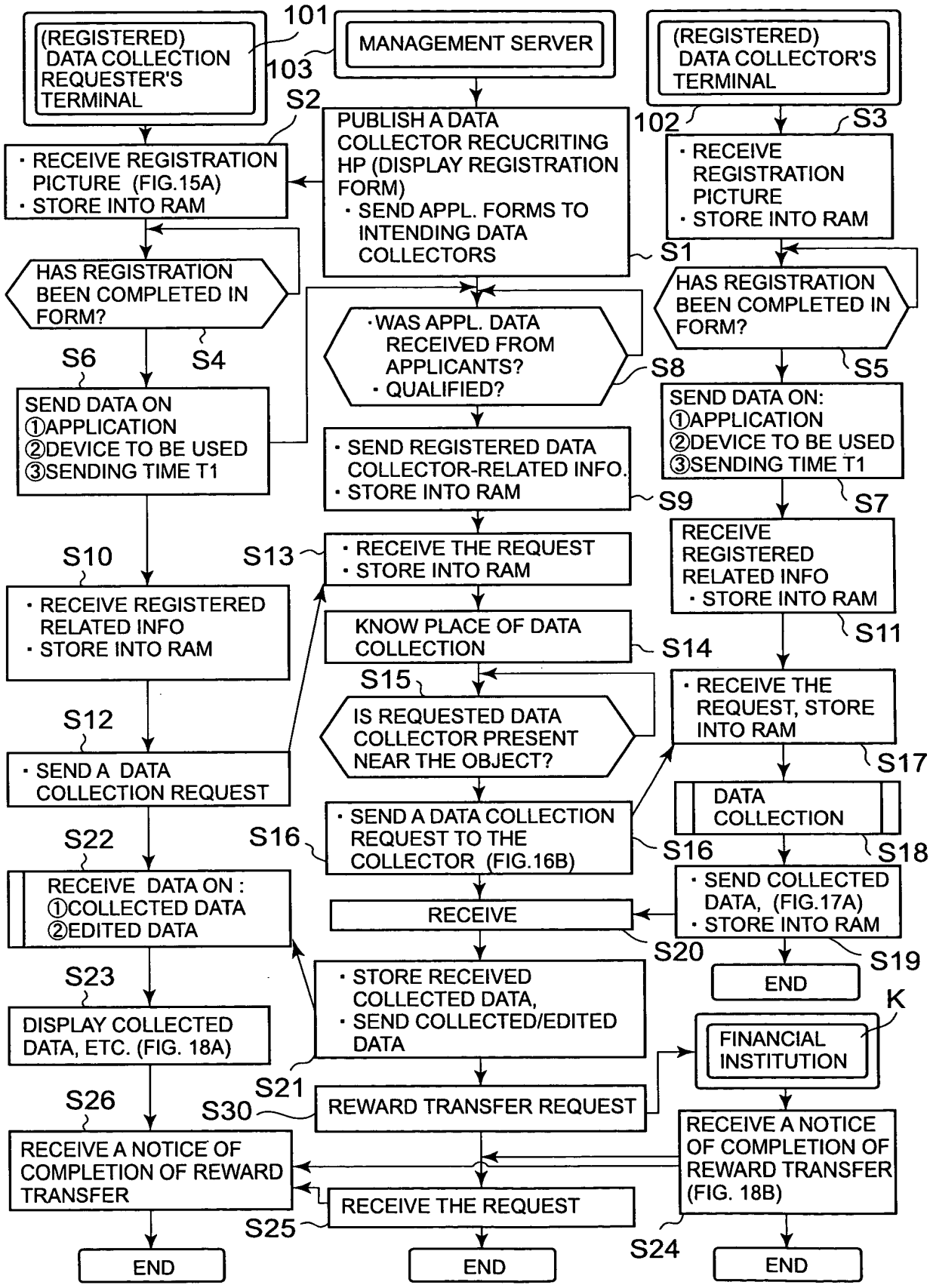
(REGISTERED) DATA COLLECTION REQUESTER'S TERMINAL
101
MANAGEMENT SERVER
103
(REGISTERED) DATA COLLECTOR'S TERMINAL
S2
PUBLISH A DATA COLLECTOR RECUCRITING HP (DISPLAY REGISTRATION FORM)
・SEND APPL. FORMS TO INTENDING DATA COLLECTORS
102
S3
・RECEIVE REGISTRATION PICTURE (FIG.15A)
・STORE INTO RAM
・RECEIVE REGISTRATION PICTURE
・STORE INTO RAM
S1
HAS REGISTRATION BEEN COMPLETED IN FORM?
・WAS APPL. DATA RECEIVED FROM APPLICANTS?
・QUALIFIED?
HAS REGISTRATION BEEN COMPLETED IN FORM?
S6
S4
S8
S5
SEND DATA ON
①APPLICATION
②DEVICE TO BE USED
③SENDING TIME T1
・SEND REGISTERED DATA COLLECTOR-RELATED INFO.
・STORE INTO RAM
SEND DATA ON:
①APPLICATION
②DEVICE TO BE USED
③SENDING TIME T1
S9
S7
S10
S13
・RECEIVE THE REQUEST
・STORE INTO RAM
RECEIVE REGISTERED RELATED INFO
・STORE INTO RAM
・RECEIVE REGISTERED RELATED INFO
・STORE INTO RAM
KNOW PLACE OF DATA COLLECTION
S11
S14
S15
S12
IS REQUESTED DATA COLLECTOR PRESENT NEAR THE OBJECT?
・RECEIVE THE REQUEST, STORE INTO RAM
S17
・SEND A DATA COLLECTION REQUEST
DATA COLLECTION
S22
S16
・SEND A DATA COLLECTION REQUEST TO THE COLLECTOR (FIG.16B)
S16
S18
RECEIVE DATA ON :
①COLLECTED DATA
②EDITED DATA
RECEIVE
・SEND COLLECTED DATA, (FIG.17A)
・STORE INTO RAM
S20
S19
END
S23
・STORE RECEIVED COLLECTED DATA,
・SEND COLLECTED/EDITED DATA
K
DISPLAY COLLECTED DATA, ETC. (FIG. 18A)
FINANCIAL INSTITUTION
S21
S26
S30
REWARD TRANSFER REQUEST
RECEIVE A NOTICE OF COMPLETION OF REWARD TRANSFER
RECEIVE A NOTICE OF COMPLETION OF REWARD TRANSFER (FIG. 18B)
RECEIVE THE REQUEST
S25
S24
END
END
END

FIG. 15A

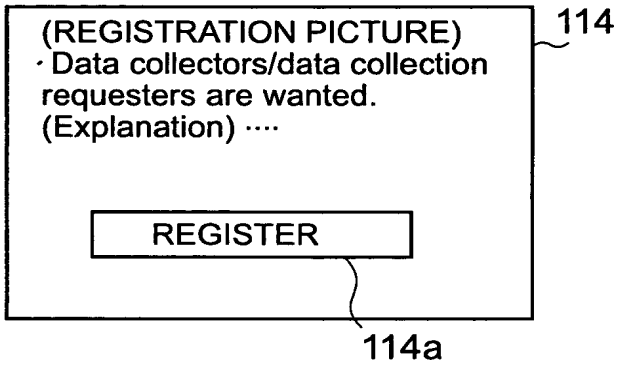

FIG. 15B

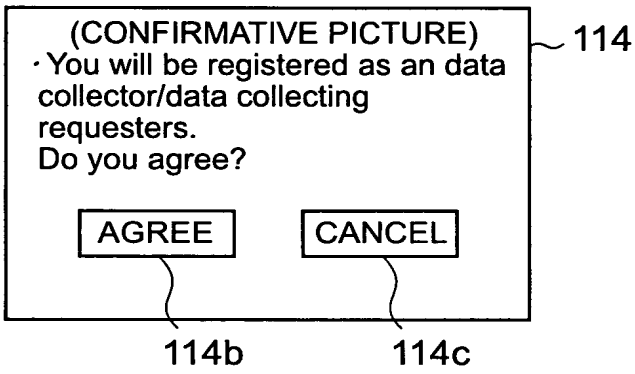

FIG. 16A

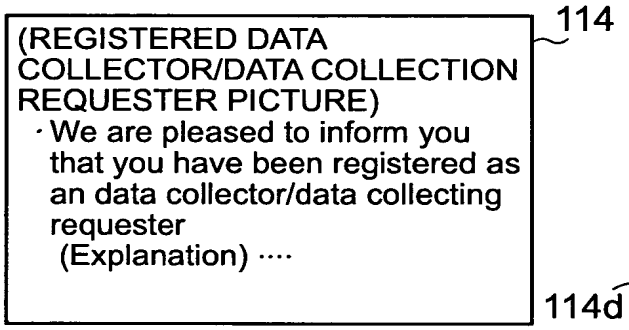

FIG. 16B

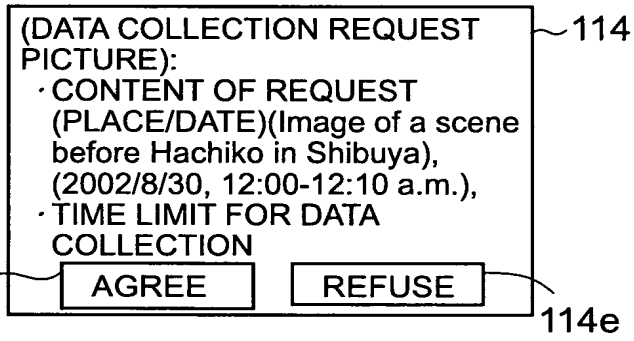

FIG. 17A

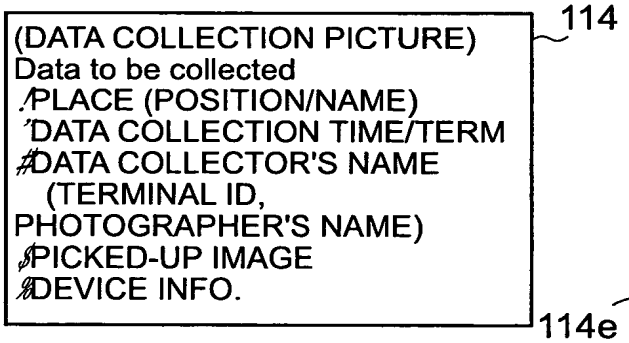

FIG. 17B

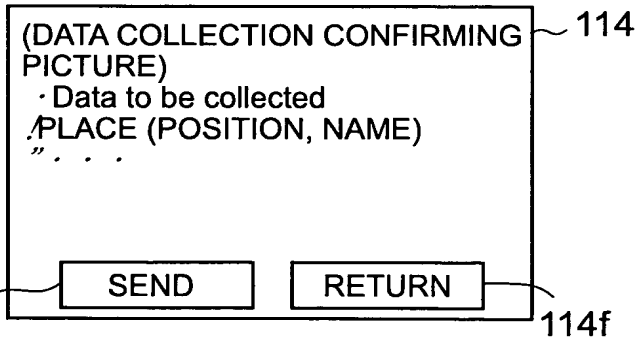

FIG. 18A

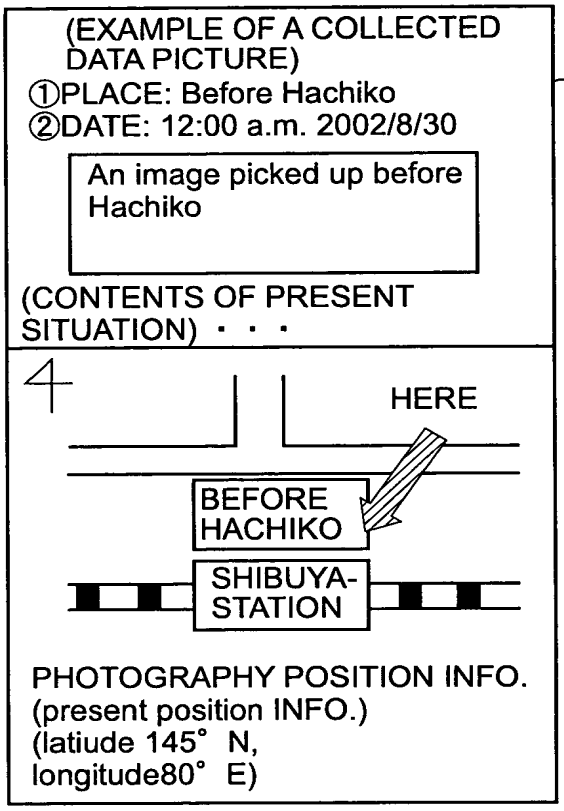

FIG. 18B

FIG. 19

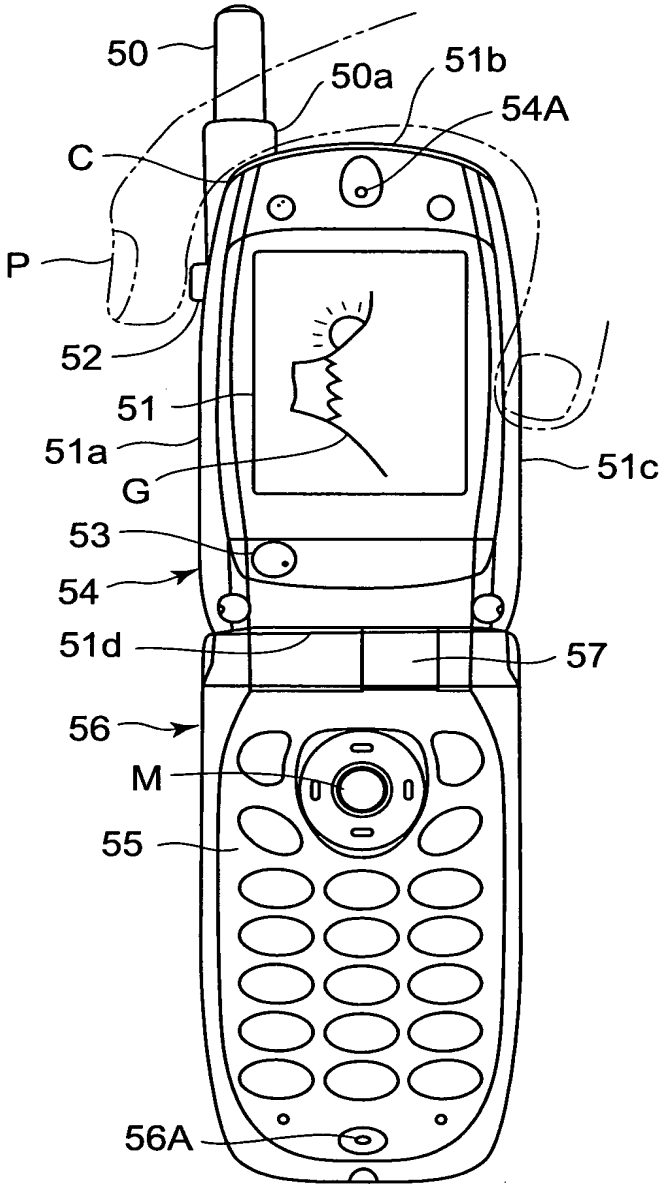

FIG. 20

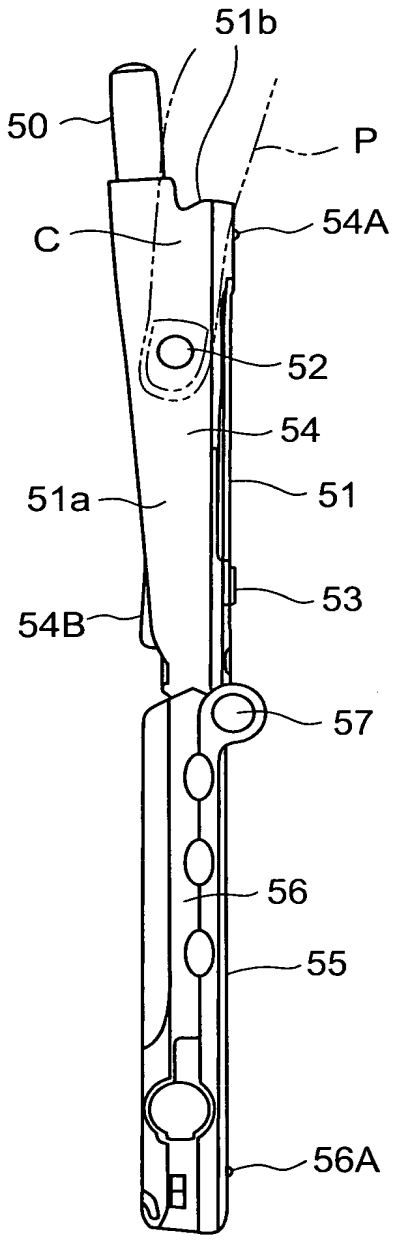
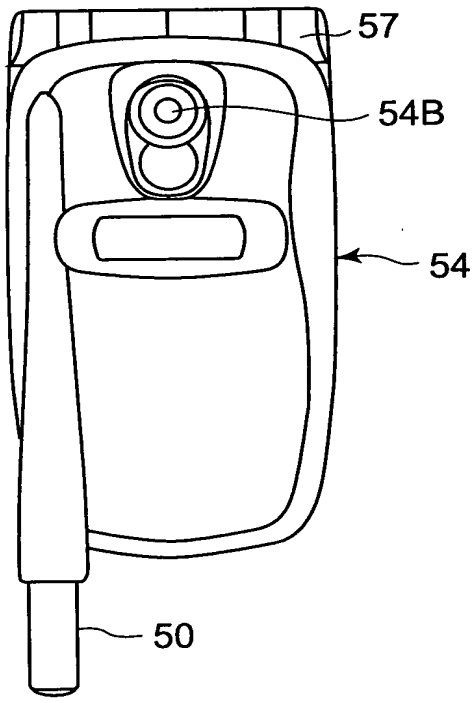
FIG. 21